

What is claimed is:

1. A method of collecting information used for adjustments with an information collecting server in a radio communication system connected to at least one mobile radio terminal for performing user communications,  
5 comprising the steps of:  
in said mobile radio terminal,  
monitoring a communication status of user communication and detecting as a trigger when said communication status has satisfied a predetermined condition;  
10 acquiring a reception status of a radio signal when said trigger is detected;  
acquiring the position of said mobile radio terminal; and  
sending measured information including said reception status and said position to said information collecting server; and  
15 in said information collecting server,  
recording said measured information received from said mobile radio terminal.
2. A method according to claim 1, wherein said predetermined  
20 condition comprises the occurrence of a forced disconnection of the user communication.
3. A method according to claim 1, wherein said predetermined  
condition comprises the occurrence of a handover failure.  
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4. A method according to claim 1, wherein said predetermined condition comprises the lowering of a throughput of said user communication below a predetermined threshold value.

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5. A method according to claim 1, wherein said predetermined condition comprises a call which is made.

6. A method according to claim 1, further comprising the steps of:  
10 in said information collecting server,  
sending value information indicative of a value to be given for  
said measured information which is provided, to said mobile radio terminal  
when said measured information is received; and  
in said mobile radio terminal,  
15 displaying the value indicated by said value information when  
said value information is received.

7. A method according to claim 1, wherein said radio communication system comprises a CDMA radio communication system.

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8. A method of collecting information used for adjustments with an information collecting server in a radio communication system connected to at least one mobile radio terminal for performing user communication, comprising the steps of:

25 in said information collecting server,

sending trigger information serving as a measuring trigger  
simultaneously to the at least one mobile radio terminal;  
in said mobile radio terminal,  
when said trigger information is received, acquiring a reception  
5 status of a radio signal;  
acquiring the position of said mobile radio terminal; and  
sending measured information including said reception status  
and said position to said information collecting server; and  
in said information collecting server,  
10 recording said measured information received from said mobile  
radio terminal.

9. A method according to claim 8, wherein said information col-  
lecting server sends said trigger information simultaneously to the at least  
15 one mobile radio terminal based on a load status on a radio circuit.

10. A method according to claim 8, further comprising the steps of:  
in said information collecting server,  
sending value information indicative of a value to be given for  
20 said measured information which is provided, to said mobile radio terminal  
when said measured information is received; and  
in said mobile radio terminal,  
displaying the value indicated by said value information when  
said value information is received.

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11. A method according to claim 8, wherein said radio communication system comprises a CDMA radio communication system.

12. A method of collecting information used for adjustments with  
5 an information collecting server in a radio communication system connected to at least one mobile radio terminal for performing user communications, comprising the steps of:

- in said information collecting server,  
sending trigger information serving as a measuring trigger  
10 simultaneously to the at least one mobile radio terminal;
- in said mobile radio terminal,  
monitoring a communication status of user communication and  
detecting as a trigger when said communication status has satisfied a predetermined condition;
- 15 when said trigger information is received or said trigger is detected, acquiring a reception status of a radio signal;
- acquiring the position of said mobile radio terminal; and  
sending measured information including said reception status  
and said position to said information collecting server; and
- 20 in said information collecting server,  
recording said measured information received from said mobile radio terminal.

13. A method according to claim 12, wherein said predetermined  
25 condition comprises the occurrence of a forced disconnection of the user communication.

14. A method according to claim 12, wherein said predetermined condition comprises the occurrence of a handover failure.

5 15. A method according to claim 12, wherein said predetermined condition comprises the lowering of a throughput of said user communication below a predetermined threshold value.

10 16. A method according to claim 12, wherein said predetermined condition comprises a call which is made.

15 17. A method according to claim 12, wherein said information collecting server sends said trigger information simultaneously to the at least one mobile radio terminal based on a load status on a radio circuit.

18. A method according to claim 12, further comprising the steps of:

in said information collecting server,  
sending value information indicative of a value to be given for  
20 said measured information which is provided, to said mobile radio terminal when said measured information is received; and  
in said mobile radio terminal,  
displaying the value indicated by said value information when  
said value information is received.

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19. A method according to claim 12, wherein said radio communication system comprises a CDMA radio communication system.

20. A system for collecting information used for adjustments in a radio communication system for performing user communication, comprising:  
5 at least one mobile radio terminal for monitoring a communication status of user communications, and if a trigger is detected when said communication status has satisfied a predetermined condition, acquiring a reception status of a radio signal and the position of the mobile radio terminal,  
10 and sending measured information including said reception status and said position; and  
an information collecting server for receiving said measured information from said mobile radio terminal and recording the measured information which has been received.

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21. A system according to claim 20, wherein said predetermined condition comprises the occurrence of a forced disconnection of the user communication.

20 22. A system according to claim 20, wherein said predetermined condition comprises the occurrence of a handover failure.

23. A system according to claim 20, wherein said predetermined condition comprises the lowering of a throughput of said user communication  
25 below a predetermined threshold value.

24. A system according to claim 20, wherein said predetermined condition comprises a call which is made.

25. A system according to claim 20, wherein when said measured  
5 information is received, said information collecting server sends value information indicative of a value to be given for said measured information which is provided, to said mobile radio terminal, and wherein when said value information is received, said mobile radio terminal displays the value indicated by said value information.

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26. A system according to claim 20, wherein said radio communication system comprises a CDMA radio communication system.

27. A system for collecting information used for adjustments in a  
15 radio communication system for performing user communication, comprising:  
at least one mobile radio terminal for, if a trigger information as a measuring trigger is received, acquiring a reception status of a radio signal and the position of the mobile radio terminal, and sending measured information including said reception status and said position; and  
20 an information collecting server for sending said trigger information simultaneously to the at least one mobile radio terminal, and recording the measured information which has been received from said mobile radio terminal.

28. A system according to claim 27, wherein said information collecting server sends said trigger information simultaneously to the at least one mobile radio terminal based on a load status on a radio circuit.

5 29. A system according to claim 27, wherein when said measured information is received, said information collecting server sends value information indicative of a value to be given for said measured information which is provided, to said mobile radio terminal, and wherein when said value information is received, said mobile radio terminal displays the value  
10 indicated by said value information.

30. A system according to claim 27, wherein said radio communication system comprises a CDMA radio communication system.

15 31. A system for collecting information used for adjustments in a radio communication system for performing user communication, comprising:  
at least one mobile radio terminal for monitoring a communication status of user communications, and if a trigger is detected when said  
20 communication status has satisfied a predetermined condition or trigger information as a measuring trigger is received, acquiring a reception status of a radio signal and the position of the mobile radio terminal, and sending measured information including said reception status and said position; and  
an information collecting server for sending said trigger information  
25 mation simultaneously to the at least one mobile radio terminal, and re-



ording the measured information which has been received from said mobile radio terminal.

32. A system according to claim 31, wherein said predetermined  
5 condition comprises the occurrence of a forced disconnection of the user communication.

33. A system according to claim 31, wherein said predetermined  
condition comprises the occurrence of a handover failure.  
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34. A system according to claim 31, wherein said predetermined  
condition comprises the lowering of a throughput of said user communication  
below a predetermined threshold value.

35. A system according to claim 31, wherein said predetermined  
15 condition comprises a call which is made.

36. A system according to claim 31, wherein said information col-  
lecting server sends said trigger information simultaneously to the at least  
20 one mobile radio terminal based on a load status on a radio circuit.

37. A system according to claim 31, wherein when said measured  
information is received, said information collecting server sends value  
information indicative of a value to be given for said measured information  
25 which is provided, to said mobile radio terminal, and wherein when said  
value information is received, said mobile radio terminal displays the value

formation is received, said mobile radio terminal displays the value indicated by said value information.

38. A system according to claim 31, wherein said radio communication system comprises a CDMA radio communication system.

39. A mobile radio terminal for sending information used for adjustments in a radio communication system for performing user communications to an information collecting server, comprising:

10 a communication status acquisition unit for acquiring a communication status of user communication;

a reception status acquisition unit for acquiring a reception status of a radio signal;

a positional information acquisition unit for acquiring the position of the mobile radio terminal; and

15 a control unit, triggerable when said communication status acquired by said communication status acquisition unit has satisfied a predetermined condition, for instructing said reception status acquisition unit to acquire said reception status and instructing said positional information acquisition unit to acquire said position, and, when said reception status and said position are acquired, sending measured information including said reception status and said position to said information collecting server.

40. A mobile radio terminal according to claim 39, wherein said predetermined condition comprises the occurrence of a forced disconnection of the user communication.

41. A mobile radio terminal according to claim 39, wherein said predetermined condition comprises the occurrence of a handover failure.

5 42. A mobile radio terminal according to claim 39, wherein said predetermined condition comprises the lowering of a throughput of said user communication below a predetermined threshold value.

10 43. A mobile radio terminal according to claim 39, wherein said predetermined condition comprises a call which is made.

15 44. A mobile radio terminal according to claim 39, wherein when said measured information is received, said information collecting server sends value information indicative of a value to be given for said measured information which is provided, to said mobile radio terminal, and wherein when said value information is received, said mobile radio terminal displays the value indicated by said value information.

20 45. A mobile radio terminal according to claim 39, wherein said radio communication system comprises a CDMA radio communication system.

25 46. A mobile radio terminal for sending information used for adjustments in a radio communication system for performing user communication to an information collecting server, comprising:

a trigger information reception unit for receiving trigger information as a measuring trigger from said information collecting server;

a reception status acquisition unit for acquiring a reception status of a radio signal;

5 a positional information acquisition unit for acquiring the position of the mobile radio terminal; and

a control unit, triggerable when said trigger information is received by said trigger information reception unit, for instructing said reception status acquisition unit to acquire said reception status and instructing said  
10 positional information acquisition unit to acquire said position, and, when said reception status and said position are acquired, sending measured information including said reception status and said position to said information collecting server.

15 47. A mobile radio terminal according to claim 46, wherein when said measured information is received, said information collecting server sends value information indicative of a value to be given for said measured information which is provided, to said mobile radio terminal, and wherein  
20 when said value information is received, said mobile radio terminal displays the value indicated by said value information.

48. A mobile radio terminal according to claim 46, wherein said radio communication system comprises a CDMA radio communication system.

49. A mobile radio terminal for sending information used for adjustments in a radio communication system for performing user communications to an information collecting server, comprising:

5 a communication status acquisition unit for acquiring a communication status of user communication;

a trigger information reception unit for receiving trigger information as a measuring trigger from said information collecting server;

a reception status acquisition unit for acquiring a reception status of a radio signal;

10 a positional information acquisition unit for acquiring the position of the mobile radio terminal; and

a control unit, triggerable when said communication status acquired by said communication status acquisition unit has satisfied a predetermined condition or said trigger information is received by said trigger information reception unit, for instructing said reception status acquisition unit to acquire said reception status and instructing said positional information acquisition unit to acquire said position, and, when said reception status and said position are acquired, sending measured information including said reception status and said position to said information collecting server.

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50. A mobile radio terminal according to claim 49, wherein said predetermined condition comprises the occurrence of a forced disconnection of the user communication.

25 51. A mobile radio terminal according to claim 49, wherein said predetermined condition comprises the occurrence of a handover failure.

52. A mobile radio terminal according to claim 49, wherein said predetermined condition comprises the lowering of a throughput of said user communication below a predetermined threshold value.

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53. A mobile radio terminal according to claim 49, wherein said predetermined condition comprises a call which is made.

54. A mobile radio terminal according to claim 49, wherein when  
10 said measured information is received, said information collecting server sends value information indicative of a value to be given for said measured information which is provided, to said mobile radio terminal, and wherein when said value information is received, said mobile radio terminal displays the value indicated by said value information.

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55. A mobile radio terminal according to claim 49, wherein said radio communication system comprises a CDMA radio communication system.